

# MICROBIAL ECOLOGY

## Index to Volume 36

- Agis, M., Unanue, M., Iriberry, J., Herndl, G.J.: Bacterial Colonization and Ecto-enzymatic Activity in Phytoplankton-Derived Model Particles. Part II. Cleavage and Uptake of Carbohydrates ..... 66
- Akkermans, A.D.L., see Felske, A. .... 31
- Ammerman, J.W., see Ulrich, G.A., et al. .... 141
- Amy, P.S., see Kieft, T.L., et al. .... 336
- Bååth, E.: Growth Rates of Bacterial Communities in Soils at Varying pH: A Comparison of the Thymidine and Leucine Incorporation Techniques ..... 316
- Bailey, T.J., see Chandler, D.P., et al. .... 37
- Belitz, L.A., Waller, D.A.: Effect of Temperature and Termite Starvation on Phagocytosis by Protozoan Symbionts of the Eastern Subterranean Termite *Reticulitermes flavipes* Kollar ..... 175
- Bjornstad, B.N., see Kieft, T.L., et al. .... 336
- Boddy, L., see Wells, J.M., et al. .... 372
- Boone, D.R., see Kieft, T.L., et al. .... 336
- Bossio, D.A., Scow, K.M., Gunapala, N., Graham, K.J.: Determinants of Soil Microbial Communities: Effects of Agricultural Management, Season, and Soil Type on Phospholipid Fatty Acid Profiles ..... 1
- Brockman, F.J., Li, S.W., Fredrickson, J.K., Ringelberg, D.B., Kieft, T.L., Spadoni, C.M., White, D.C., McKinley, J.P.: Post-Sampling Changes in Microbial Community Composition and Activity in a Subsurface Paleosol ..... 152
- Brockman, F.J., see Chandler, D.P., et al. .... 37
- Bruns, M.A., Fries, M.R., Tiedje, J.M., Paul, E.A.: Functional Gene Hybridization Patterns of Terrestrial Ammonia-Oxidizing Bacteria ..... 293
- Burger, K., see Ulrich, G.A., et al. .... 141
- Chandler, D.P., Brockman, F.J., Bailey, T.J., Fredrickson, J.K.: Phylogenetic Diversity of Archaea and Bacteria in a Deep Subsurface Paleosol ..... 37
- Cole, J.J., see Reche, I., et al. .... 270
- Deming, J.W., see Vetter, Y.A., et al. .... 75
- Felske, A., Akkermans, A.D.L.: Spatial Homogeneity of Abundant Bacterial 16S rRNA Molecules in Grassland Soils ..... 31
- Findlay, R.H., Watling, L.: Seasonal Variation in the Structure of a Marine Benthic Microbial Community ..... 23
- Findlay, S., Pace, M.L., Fischer, D.T.: Response of Heterotrophic Planktonic Bacteria to the Zebra Mussel Invasion of the Tidal Freshwater Hudson River ..... 131
- Fischer, D.T., see Findlay, S., et al. .... 131
- Fisher, M.M., Graham, J.M., Graham, L.E.: Bacterial Abundance and Activity across Sites within Two Northern Wisconsin *Sphagnum* Bogs ..... 259
- Fredrickson, J.K., see Brockman, F.J., et al. .... 152
- Fredrickson, J.K., see Chandler, D.P., et al. .... 37
- Fries, M.R., see Bruns, M.A., et al. .... 293
- Garza, D.R., Suttle, C.A.: The Effect of Cyanophages on the Mortality of *Synechococcus* spp. and Selection for UV Resistant Viral Communities ..... 281
- Graham, J.M., see Fisher, M.M., et al. .... 259
- Graham, K.J., see Bossio, D.A., et al. .... 1
- Graham, L.E., see Fisher, M.M., et al. .... 259
- Griffiths, R.P., see Kieft, T.L., et al. .... 336
- Grossman, E.L., see Ulrich, G.A., et al. .... 141
- Gsell, T.C., see Kieft, T.L., et al. .... 336
- Gugliandolo, C., Maugeri, T.L.: Temporal Variations in Heterotrophic Mesophilic Bacteria from a Marine

- Shallow Hydrothermal Vent off the Island of Vulcano (Eolian Islands, Italy) ..... 13
- Gunapala, N., see Bossio, D.A., et al. .... 1
- Haldeman, D.L., see Kieft, T.L., et al. .... 336
- Han, S.O., New, P.B.: Variation in Nitrogen Fixing Ability among Natural Isolates of *Azospirillum* ..... 193
- Harris, M.J., see Wells, J.M., et al. .... 372
- Herndl, G.J., see Agis, M., et al. .... 66
- Holben, W.E., see Kieft, T.L., et al. .... 336
- Hood, M.A., van Dijk, K.V., Nelson, E.B.: Factors Affecting Attachment of *Enterobacter cloacae* to Germinating Cotton Seed ..... 101
- Iriberry, J., see Agis, M., et al. .... 66
- Jonkers, H.M., Koopmans, G.F., van Gemerden, H.: Dynamics of Dimethyl Sulfide in a Marine Microbial Mat ..... 93
- Jumars, P.A., see Vetter, Y.A., et al. .... 75
- Kerstan, E., see Nausch, M., et al. .... 251
- Kieft, T.L., Murphy, E.M., Haldeman, D.L., Amy, P.S., Bjornstad, B.N., McDonald, E.V., Ringelberg, D.B., White, D.C., Stair, J., Griffiths, R.P., Gsell, T.C., Holben, W.E., Boone, D.R.: Microbial Transport, Survival, and Succession in a Sequence of Buried Sediments ..... 336
- Kieft, T.L., see Brockman, F.J., et al. .... 152
- Koopmans, G.F., see Jonkers, H.M., et al. .... 93
- Krieger-Brockett, B.B., see Vetter, Y.A., et al. .... 75
- Latham, B.P.: Yeast Community Persistence in a Spatially Structured Environment ..... 60
- Lawrence, J.R., see Mohamed, M.N., et al. .... 121
- Leff, L.G., McArthur, J.V., Shimkets, L.J.: Persistence and Dissemination of Introduced Bacteria in Freshwater Microcosms ..... 202
- Li, S.W., see Brockman, F.J., et al. .... 52
- Litaker, R.W., see Olson, J.B., et al. .... 231
- Marshall, W.A.: Aerial Transport of Keratinaceous Substrate and Distribution of the Fungus *Geomyces pan-norum* in Antarctic Soils ..... 212
- Martino, D., see Ulrich, G.A., et al. .... 141
- Maugeri, T.L., see Gugliandolo, C. .... 13
- McArthur, J.V., see Leff, L.G., et al. .... 202
- McCarthy, A.J., see McDonald, I.R., et al. .... 51
- McDonald, E.V., see Kieft, T.L., et al. .... 336
- McDonald, I.R., Riley, P.W., Sharp, R.J., McCarthy, A.J.: Survival of Plasmid-Containing *Bacillus subtilis* Released into Mushroom Compost ..... 51
- McKinley, J.P., see Brockman, F.J., et al. .... 152
- McMahon, K.D., Stahl, D.A., Raskin, L.: A Comparison of the Use of In Vitro-Transcribed and Native rRNA for the Quantification of Microorganisms in the Environment ..... 362
- Mohamed, M.N., Lawrence, J.R., Robarts, R.D.: Phosphorus Limitation of Heterotrophic Biofilms from the Fraser River, British Columbia, and the Effect of Pulp Mill Effluent ..... 121
- Murphy, E.M., see Kieft, T.L., et al. .... 336
- Nausch, M., Pollehne, F., Kerstan, E.: Extracellular Enzyme Activities in Relation to Hydrodynamics in the Pomeranian Bight (Southern Baltic Sea) ..... 251
- Nelson, E.B., see Hood, M.A., et al. .... 101
- New, P.B., see Han, S.O. .... 193
- Ohtonen, R., Väre, H.: Vegetation Composition Determines Microbial Activities in a Boreal Forest Soil ... 328
- Olson, J.B., Steppe, T.F., Litaker, R.W., Paerl, H.W.: N<sub>2</sub>-Fixing Microbial Consortia Associated with the Ice Cover of Lake Bonney, Antarctica ..... 231
- Øvreås, L., Torsvik, V.: Microbial Diversity and Community Structure in Two Different Agricultural Soil Communities ..... 303
- Pace, M.L., see Findlay, S., et al. .... 131
- Pace, M.L., see Reche, I., et al. .... 270
- Paerl, H.W., Priscu, J.C.: Microbial Phototrophic, Heterotrophic, and Diazotrophic Activities Associated with Aggregates in the Permanent Ice Cover of Lake Bonney, Antarctica ..... 221
- Paerl, H.W., see Olson, J.B., et al. .... 231
- Paul, E.A., see Bruns, M.A., et al. .... 293
- Pollard, P.C.: Estimating the Growth Rate of a Bacterial Species in a Complex Mixture by Hybridization of Genomic DNA ..... 111
- Pollehne, F., see Nausch, M., et al. .... 251
- Priscu, J.C., see Paerl, H.W. .... 221
- Priscu, J.C., see Takacs, C.D. .... 239
- Rapala, J., Sivonen, K.: Assessment of Environmental Conditions That Favor Hepatotoxic and Neurotoxic *Anabaena* spp. Strains Cultured under Light Limitation at Different Temperatures ..... 181
- Raskin, L., see McMahon, K.D., et al. .... 362
- Reche, I., Pace, M.L., Cole, J.J.: Interactions of Photo-bleaching and Inorganic Nutrients in Determining Bacterial Growth on Colored Dissolved Organic Carbon ..... 270
- Riley, P.W., see McDonald, I.R., et al. .... 51
- Ringelberg, D.B., see Brockman, F.J., et al. .... 152
- Ringelberg, D.B., see Kieft, T.L., et al. .... 336
- Robarts, R.D., see Mohamed, M.N., et al. .... 121

- Routh, J., see Ulrich, G.A., et al. .... 141
- Sayler, G.S., see Stapleton, R.D. .... 349
- Scow, K.M., see Bossio, D.A., et al. .... 1
- Sharp, R.J., see McDonald, I.R., et al. .... 51
- Shimkets, L.J., see Leff, L.G., et al. .... 202
- Sivonen, K., see Rapala, J. .... 181
- Sleigh, M.A., see Wilks, S.A. .... 165
- Spadoni, C.M., see Brockman, F.J., et al. .... 152
- Stahl, D.A., see McMahon, K.D., et al. .... 362
- Stair, J., see Kieft, T.L., et al. .... 336
- Stapleton, R.D., Sayler, G.S.: Assessment of the Microbiological Potential for the Natural Attenuation of Petroleum Hydrocarbons in a Shallow Aquifer System .... 349
- Steppe, T.F., see Olson, J.B., et al. .... 231
- Suflita, J.M., see Ulrich, G.A., et al. .... 141
- Suttle, C.A., see Garza, D.R. .... 281
- Takacs, C.D., Priscu, J.C.: Bacterioplankton Dynamics in the McMurdo Dry Valley Lakes, Antarctica: Production and Biomass Loss over Four Seasons .... 239
- Tiedje, J.M., see Bruns, M.A., et al. .... 293
- Torsvik, V., see Øvreås, L. .... 303
- Ulrich, G.A., Martino, D., Burger, K., Routh, J., Grossman, E.L., Ammerman, J.W., Suflita, J.M.: Sulfur Cycling in the Terrestrial Subsurface: Commensal Interactions, Spatial Scales, and Microbial Heterogeneity .... 141
- Unanue, M., see Agis, M., et al. .... 66
- van Dijk, K.V., see Hood, M.A., et al. .... 101
- van Gernerden, H., see Jonkers, H.M., et al. .... 93
- Väre, H., see Ohtonen, R. .... 328
- Vetter, Y.A., Deming, J.W., Jumars, P.A., Krieger-Brockett, B.B.: A Predictive Model of Bacterial Foraging by Means of Freely Released Extracellular Enzymes .... 75
- Waller, D.A., see Belitz, L.A. .... 175
- Watling, L., see Findlay, R.H. .... 23
- Wells, J.M., Harris, M.J., Boddy, L.: Encounter with New Resources Causes Polarized Growth of the Cord-Forming Basidiomycete *Phanerochaete velutina* on Soil .... 372
- White, D.C., see Brockman, F.J., et al. .... 152
- White, D.C., see Kieft, T.L., et al. .... 336
- Wilks, S.A., Sleigh, M.A.: Grazing Rates in *Euplotes mutabilis*: Relationship between Particle Size and Concentration .... 165